

TERRA (AM-I) STATUS

- **TERRA (AM-I) ENVIRONMENTAL AND SYSTEMS TEST PHASE WAS COMPLETED IN AUGUST OF LAST YEAR**
- **A NUMBER OF THE COMPONENTS INCORPORATED REWORK ENHANCEMENTS**
 - **SOLAR ARRAY, SFE, ACE, SBT, 1553 C&T BUSSES, HGA MDA, MODIS, CERES**
- **REINTEGRATION OF SPACECRAFT SUBSYSTEMS WAS COMPLETED IN FEBRUARY**
- **COMPLETED THREE MAJOR TESTS BETWEEN THE SPACECRAFT AND THE EOC. (1/99, 3/99, 4/99)**
 - **ETE TEST IDENTIFIED SHORTFALLS IN UPLINK AND HIGH RATE RETURN LINKS**
 - **END-TO-END TEST MUST BE REPEATED PRIOR TO MOVING SPACECRAFT TO LAUNCH PAD**

TERRA (AM-I) STATUS

- **SPACECRAFT PRE-SHIP REVIEW WAS HELD APRIL 6-7, 1999**
 - REVIEW TEAMS IDENTIFIED NO ITEMS TO PREVENT SHIPMENT
 - GROUND SYSTEM IDENTIFIED AS ONLY ITEM REQUIRING CLOSURE BEFORE LAUNCH
- **SPACECRAFT SHIPPED TO WTR ON C-5 APRIL 16, 1999**
- **SPACECRAFT MOVED TO ASTROTECH PAYLOAD PROCESSING FACILITY**
- **SUCCESSFULLY COMPLETED PROPULSION SYSTEM LEAK TEST**
- **COMPLETED FOR/ORR. DELTA-ORR WILL BE NECESSARY.**
- **COMPLETED FLIGHT BATTERY WAKE-UP AND CONDITIONING**
- **LAUNCH VEHICLE:**
 - LAUNCH VEHICLE ON-STAND. BOS ACTIVITIES COMMENCE THIS WEEK. L/V GROUND SYSTEM IS BEING ACTIVELY WORKED.

REMAINING PLANNED ACTIVITIES BEFORE LAUNCH

- **PERFORM S-BAND LINK CHECK**
- **PERFORM FINAL CPT**
- **PERFORM EOC CONNECTIVITY TEST**
- **COMPLETE DELTA OPERATIONS READINESS REVIEW**
- **LOAD PROPELLANT**
- **PERFORM FINAL MECHANICAL AND THERMAL CLOSE-OUTS**
- **PERFORM FINAL CLEANING AND INSPECTION**
- **PERFORM FINAL WET MASS PROPERTIES**
- **ENCAPSULATE SPACECRAFT**
- **TRANSPORT ENCAPSULATED SPACECRAFT TO SLC-3E**
- **PERFORM FINAL ALIVENESS/FUNCTIONAL TEST**
- **PERFORM COUNTDOWN REHERSALS**
- **PERFORM SPACECRAFT OPERATIONS SIMULATIONS/REHERSALS**
- **PERFORM FINAL SPACECRAFT/LAUNCH VEHICLE COMPATIBILITY TEST**
- **COMPLETE FINAL CLOSE-OUTS**
- **POWER-UP SPACECRAFT AND LAUNCH**

SUMMARY

- **LIENS/THREATS**
 - S/C SFE: DATA FROM LOCK-UP ANOMALY BEING REVIEWED.
 - GROUND SYSTEMS: DEMONSTRATE OPERATIONAL READINESS OF ALL GROUND SYSTEM ELEMENTS AND COMPLETE FOT PREPARATIONS FOR LAUNCH.
 - IMPACT OF RECENT CENTAUR ANOMALY.
- **SPACECRAFT AND INSTRUMENTS**
 - READY FOR LAUNCH.
- **GROUND SYSTEM**
 - GREAT PROGRESS IN LAST 6 MONTHS. A LOT OF WORK AHEAD.
- **LAUNCH VEHICLE AND LAUNCH SITE FACILITIES.**
 - L/V IN EXCELLENT SHAPE. LAUNCH OPS PROCESSING FACILITIES BEING PREPARED FOR LAUNCH.
- *ENTIRE AM-1 TEAM COMMITTED TO JULY 28, 1999 LAUNCH.*